

Message Text

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ACTION EUR-12

INFO OCT-01 ISO-00 CIAE-00 PM-04 INR-07 L-03 ACDA-07
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TO SECSTATE WASHDC 2776
SECDEF WASHDC
INFO DA WASHDC

C O N F I D E N T I A L SECTION 1 OF 3 USNATO 2078

SECDEF FOR ODDR&E(IP) AND OASD (ISA). DA FOR DAMA-PPI

EO 11652: GDS
TAGS: OCON NATO MILI
SUBJ: ANTI-ARMOUR REPORT FOR APRIL 1977 CNAD

REF: A) DRAFT AC/259-D/..., UNDATED, FOLLOW-ON ACTION
ON ANTI-ARMOUR WARFARS; B) USNATO 1986 DTG 061425Z APR 77,
C) AC/259-D/574, APR 6, 1977

1. THIS MESSAGE REPORTS THE CHANGES TO REF A (HANDCARRIED TO
WASHINGTON ON 25 MAR 77) WHICH RESULTED FROM THE APRIL 4
NADREPS MEETING (REPORTED REF B) AND A SPECIAL MEETING ON
APRIL 6. THE REVISED DOCUMENT CONSTITUTES THE NADREP'S REPORT
WHICH WAS CIRCULATED AS REF C ON APR 7
TO SUPPORT CNAD AGENDA ITEM 9(A). ACTION
REQUESTED: WASHINGTON GUIDANCE ON REF C BY APRIL 15.

2. REF C DIFFERS FROM REF A AS FOLLOWS:
A. TITLE. CHANGE TO READ: FOLLOW-ON ACTION ON
ANTI-ARMOUR WARFARE IN THE POST-1980 TIME-FRAME.
B. PARA 4. CHANGE LAST SENTENCE TO READ: THESE
PROBLEMS ARE STILL UNDER CONSIDERATION AT SHAPE STAFF
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LEVEL.
C. PARA 5. CHANGE FIRST SUBPARA TO READ: IN COM-
PLIANCE WITH CNAD RECOMMENDATION (C) A TENTATIVE LIST
OF OPPORTUNITIES FOR CO-OPERATION IN THE ANTI-ARMOUR
FIELD IS BEING PROPOSED IN THE FOLLOWING PARAGRAPHS.
THE SWG REPORT AC/225-D/441 IDENTIFIED FIVE BROAD
EQUIPMENT AREAS WHERE CO-OPERATION SHOULD BE CONSIDERED:
NAMELY, ARMoured VEHICLES AND PARTICULARLY THE MAIN
BATTLE TANKS, DIRECT FIRE ANTI-ARMOUR WEAPONS (EXCLUDING
TANK GUNS), INDIRECT FIRE WEAPONS, COUNTER-MOBILITY

SYSTEMS AND AIR SUPPORT OPERATIONS BY HELICOPTERS OR BY FIXED WING AIRCRAFT. IT IS RECALLED THAT A SURVEY OF THE ACTIVITIES OF THE CNAD SUBSIDIARIES IN THE TECHNOLOGICAL FIELD WAS CIRCULATED UNDER REFERENCE AC/259-D/534 AND PLACED ON THE AGENDA OF THE OCTOBER 1976 MEETING OF CNAD. FROM THIS SURVEY IT APPEARS THAT POSSIBILITIES FOR CO-OPERATION EXIST IN THE AREAS LISTED BELOW. AT ANNEX THE SITUATION IN EACH OF THESE AREAS IS REVIEWED AND THE PROSPECTS OF CO-OPERATION BEING ACHIEVED IS ASSESSED.

D. PARA 5. CHANGE LAST LINE OF "ARMOURED VEHICLES" LIST TO READ: (STANDARDIZATION OF PARTS AND COMPONENTS).

E. PARA 5. CHANGE "INDIRECT FIRE ANTI-ARMOUR WEAPONS" LIST TO READ:
MULTIPLE ROCKET LAUNCHERS (SYRA, LARS, RS-80, GSRS).
MINES AND GRENADES.
BOMBLETS.

PREFORMED FRAGMENT (PFF) AND FRAGMENTATION SHELL.
TERMINAL GUIDED PROJECTILE SYSTEM (CLGP TYPE).

F. PARA 5. CHANGE ""TARGET IDENTIFICATION AND DESIGNATION" TITLE TO READ: "TARGET IDENTIFICATION ACQUISITION AND DESIGNATION" AND ADD TO LIST: "IMPROVED TARGET ACQUISITION CAPABILITY."

G. PARG 5. CHANGE "AIR SUPPORT" LIST TO READ:
AIR SUPPORT. IMPROVED ALL-WEATHER CAPABILITY FOR AIR-
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CRAFT AND HELICOPTERS

ANTI-ARMOUR HELICOPTERS AND WEAPON SYSTEMS (TOW, HOT, HELLFIRE)

GENERAL PURPOSE HELICOPTER IN ANTI-ARMOUR ROLE
IMPROVED ANTI-TANK WEAPONS FOR FIXED WING AIR-
CRAFT

IMPROVED DEFENCE SUPPRESSION WEAPONS

H. PARA 5. CHANGE TO READ: THE NADS ARE INVITED:
(A) TO TAKE NOTE OF THE STATUS OF ACTIONS UNDERTAKEN TO IMPLEMENT THE RECOMMENDATIONS MADE BY THE CNAD AT ITS OCTOBER 1976 MEETING.

(B) TO CONSIDER THE VARIOUS OPPORTUNITIES FOR CO-OPERATION LISTED AND TO REQUEST THEIR NATIONAL AUTHORITIES CONCERNED TO MAKE EVERY EFFORT, WHERE SUCH OPPORTUNITIES EXIST, TO PROMOTE COLLABORATION IN THE FIELD OF RESEARCH AND DEVELOPMENT, PRODUCTION AND PROCUREMENT WITH A VIEW TO FOSTER STANDARDIZATION/INTEROPERABILITY.

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C O N F I D E N T I A L SECTION 2 OF 3 USNATO 2078

SECDEF FOR ODDR&E(IP) AND OASD(ISA). DA FOR DAMA-PPI

(C) TO REQUEST THE MNAS:

(I) TO PROVIDE THE CNAD WITH RELATIVE PRIORITIES BETWEEN THE VARIOUS CATEGORIES OF ARMS IN THE ANTI-ARMOUR FIELD.

(II) TO DETERMINE WHICH CATEGORIES MOST NEED STANDARDIZATION.

(D) TO REQUEST THE NAAG IN CLOSE CO-OPERATION WITH THE NMA'S, THE NAFAG AND THE DRG TO MAKE RECOMMENDATIONS FOR A COMPREHENSIVE FOLLOW-ON PROGRAMME AT THE NEXT CNAD MEETING, TAKING DUE NOTE OF AVAILABLE REPORTS, RECOMMENDATIONS AND STUDIES CARRIED OUT BY NATO GROUPS AND BODIES, NMS'S AND NATIONS.

I. ANNEX. THE ANNEX HAS BEEN REORGANIZED WITH SOME CONTENT REVISION AS FOLLOWS:

-PARA 1 NOW READS. "1. THE PURPOSE OF THIS ANNEX IS TO OUTLINE THE VARIOUS OPPORTUNITIES FOR CO-OPERATION IN THE ANTI-ARMOUR FIELD. THE FOLLOWING AREAS WILL BE CONSIDERED: DIRECT FIRE ANTI-ARMOUR WEAPONS, ANTI-ARMOUR INDIRECT FIRE WEAPONS, ARMoured VEHICLES, COUNTER-MOBILITY SYSTEMS, AIR SUPPORT CAPABILITIES (HELICOPTERS AND TACTICAL AIR FORCES), TARGET
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ACQUISITION, IDENTIFICATION AND DESIGNATION."

-PARA 2 IS IDENTICAL TO PARA 2 OF REF A EXCEPT THE LAST PARA READING "IT IS REMINDED...ANTI-TANK MISSILES" HAS BEEN DELETED.

-PARA 3 NOW READS: "3. THERE ARE ALSO PROMISING DEVELOPMENTS IN THE FIELD OF ANTI-ARMOUR INDIRECT FIRE WEAPONS. AC/225-PANEL IV ON SURFACE-TO-SURFACE ARTILLERY IS CONSIDERING THE CO-OPERATIVE POSSIBILITIES IN THIS AREA AND IS ENDEAVOURING TO FOSTER CLOSER CO-OPERATION WITHIN THE FOLLOWING EXISTING PROGRAMMES ON WHICH A COMPREHENSIVE REPORT WILL BE FORWARDED TO NAAG AT ITS JUNE 1977 MEETING.

(A) ANTI-ARMOUR DEVICES:

THERE ARE THREE BASIC TYPES OF DELIVERY MEANS

FOR ANTI-ARMOUR DEVICES: SURFACE-TO-SURFACE GUIDED WEAPONS (SSGW), FREE FLIGHT ROCKETS (FFR) AND GUNS. -SSGW. LANCE IS THE ONLY SSGW IN NATO FOR WHICH A CONVENTIONAL ANTI-ARMOUR DEVICE WARHEAD HAS BEEN DEVELOPED. THE PRESENT SYSTEM OF BILATERAL CONTACT BETWEEN THOSE COUNTRIES EQUIPPED WITH LANCE (BELGIUM, GERMANY, ITALY, NETHERLANDS, US AND US) AND THE US IS CONSIDERED TO BE ADEQUATE. DENMARK AND UK HAVE EXPRESSED AN INTEREST IN AN EXCHANGE OF INFORMATION WITH US ON THIS SUBJECT. -FFR. GERMANY IS DEVELOPING A PREFORMED FRAGMENT (PFF) DEVICE FOR FFR ON WHICH DE, FR AND UK HAVE EXPRESSED INTEREST IN BILATERAL EXCHANGE OF INFORMATION. FRANCE IS DEVELOPING A GRENADE WARHEAD FOR FFR WITH SOME FORM OF GUIDANCE. GE, IT AND NO HAVE EXPRESSED AN INTEREST IN INFORMATION. GERMANY IS DEVELOPING THE AT1 MINE FOR THE LARS MULTI-ROCKET LAUNCHER SYSTEM AND THE AT2 MINE FOR LARS AND RS 80. FRANCE IS DEVELOPING A MINE FOR THE SYRA MULTI-ROCKETED LAUNCHER SYSTEM AND GERMANY HAS STATED THAT THEY ARE INTERESTED IN BILATERAL CONTACTS WITH FRANCE ON THE MINE FOR SYRA FOR THE CONFIDENTIAL

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HARMONIZATION OF THE WEAPON SYSTEMS LARS AND SYRA WITH A VIEW TO STANDARDIZATION AT A LATER DATE. SEVERAL OTHER COUNTRIES HAVE EXPRESSED INTEREST IN AN EXCHANGE OF INFORMATION.

- GUNS.

MINES: THE ONLY REMAINING MINELET SHELL UNDER DEVELOPMENT IS THE US 155MM XM 718 AND ALL COUNTRIES HAVE EXPRESSED AN INTEREST IN INFORMATION ON THE PROJECT.

GRENADES: ALL COUNTRIES HAVE EXPRESSED INTEREST IN INFORMATION ON THE US 155MM M483 AND 8" M 509 SHELLS.

TERMINALLY GUIDED PROJECTILES: THE US "COPPERHEAD" REMAINS THE ONLY DEVELOPMENT IN THIS FIELD. ALL COUNTRIES HAVE EXPRESSED INTEREST AND THE US HAS AGREED TO CONSIDER AN EXCHANGE OF INFORMATION ON A BILATERAL BASIS. THE NETHERLANDS IS PREPARED TO TAKE PART IN AN EVALUATION OF THE SYSTEM.

FRAGMENTATION SHELL: FRANCE IS DEVELOPING TWO FORMS OF FRAGMENTATION SHELL. ALL COUNTRIES HAVE EXPRESSED AN INTEREST IN INFORMATION AND THE NETHERLANDS IS INTERESTED IN BILATERAL DEVELOPMENT.

IN CONCLUSION THERE IS A POSITIVE APPROACH TOWARDS COLLABORATION IN ONLY TWO CASES: THE GERMAN INTEREST IN COLLABORATION WITH FRANCE ON MINES AND THE NETHERLANDS'S INTEREST IN COLLABORATION WITH FRANCE ON FRAGMENTATION SHELL. HOWEVER, THERE IS MUCH INTEREST IN EXCHANGES OF INFORMATION ON ALL TYPES

OF DEVICES. WHEN THIS INFORMATION HAS BEEN MADE
AVAILABLE, IT WILL BE POSSIBLE THAT THE COUNTRIES CONCERNED

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C O N F I D E N T I A L SECTION 3 OF 3 USNATO 2078

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WILL ADOPT THE DEVICES INTO THEIR OWN ARMOURIES, AND
THIS WILL RESULT IN A DEGREE OF STANDARDIZATION BEING
ACHIEVED.

(B) TERMINAL GUIDANCE AND HOMING: THESE ARE
FIELDS IN WHICH THE ONLY KNOWN DEVELOPMENTS ARE THE
US CLGP AND THE HOMING SYSTEM FOR FRENCH SYRA. BOTH
THESE COULD BE CONSIDERED AS "FIRST GENERATION"
SYSTEMS. RESEARCH INTO FUTURE "SECOND GENERATION"
SYSTEMS APPEARS TO BE AN AREA IN WHICH COLLABORATION
MIGHT BE POSSIBLE AND IN WHICH EXCHANGE OF INFORMATION
BETWEEN NATIONAL RESEARCH AGENCIES WOULD BE MUTUALLY
BENEFICIAL.

-PARA 4 IS IDENTICAL TO PARA 1, REF A.

-PARA 5 AND 6 ARE IDENTICAL TO PARA 5 AND 6,
REF A.

1PARA 7 IS IDENTICAL TO PARA 4, REF A EXCEPT FIRST
SENTENCE NOW READS: "7. ONE OF THE MOST DIFFICULT
ASSOCIATED PROBLEMS IS TARGET ACQUISITION IDENTIFICATION
AND DESIGNATION." STRAUSS-HUPE

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